

REMARKS

This Preliminary Amendment is being filed concurrently with a Request For Continued Examination (RCE). The Application has been carefully reviewed in light of the Office Action dated August 23, 2004 (Paper No. 17). Claims 1 to 3, 11 to 15, 17, 19, 21, 32, 40 and 41 are in the application, of which Claims 1, 21 and 32 are the independent claims. Claims 1, 14, 21 and 32 are being amended. Entry and passage to allowance are respectfully requested.

By the Office Action, Claims 1 to 3, 11 to 15, 17, 19, 21, 32, 40 and 41 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,219,015 (Bloom) and U.S. Patent No. 6,545,659 (Kuramoto).

The present invention generally concerns displaying images, where incident light is modulated by a space modulator according to input display data, and output. A plurality of light beams are illuminated onto the space modulator, which modulates the light beams of first, second and third colors and a white light. Light emitted from the space modulator is projected on an image display screen. According to the present invention, an illumination cycle having multiple periods, which includes periods for illuminating with lights of first, second and third different colors, which are not white, and two discontinuous periods for illuminating with white light.

Thus, the present invention has the features of: 1) repeating an illumination cycle of illuminating a space modulator, the illumination cycle having a plurality of periods including at least periods for illuminating with the lights of the first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light, and 2) modulating light using the space modulator which modulates the lights of the first, second and third colors and the white

light.

The applied art, namely Bloom and Kuramoto, is not seen to disclose these features.

It is conceded in the Office Action that Bloom does not disclose the feature of repeating an illumination cycle having a plurality of periods including at least periods for illuminating with the lights of the first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light.

Kuramoto is not seen to remedy the noted deficiencies of Bloom. The cited portions of Kuramoto are seen to describe illuminating a light valve which has a spatial light modulator. Referring to Figures 4A, 4B, 5 and 6, white light source 10 generates white light, which is passed through a color sequencer 9, which is depicted in Figures 4A and 4B. (See Kuromoto, col. 3, lines 43 to 57) Referring to Figure 4B, the color sequencer allows only red, green and blue light to pass, and filters the remaining wavelengths of light. (See Kuromoto, col. 3, lines 61 to 63) Thus, as is discussed at col. 4, lines 25 to 35, Kuramoto is seen to describe that the light valve outputs green, red or blue light depending on the position of the color sequencer 9, and referring to col. 13, lines 13 to 37, Kuramoto is seen to describe sequentially illuminating the spatial light modulator with the three colorbands of red, green and blue.

However, the applied art is not seen to disclose features of: 1) repeating an illumination cycle of illuminating a space modulator, the illumination cycle having a plurality of periods including at least periods for illuminating with the lights of the first, second and third colors, which are different from each other and different from white and two discontinuous periods for illuminating with a white light, and 2) modulating light using

the space modulator which modulates the lights of the first, second and third colors and the white light.


Therefore, for at least the foregoing reasons, Claims 1, 21 and 32 are therefore believed to be in condition for allowance.

The remaining claims are each dependent from the independent claims discussed above and are therefore believed patentable for the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration of each on its own merits is respectfully requested.

In view of the foregoing, the entire application is believed to be in condition for allowance, and such action is respectfully requested at the Examiner's earliest convenience.

Applicant's undersigned attorney may be reached in our Costa Mesa, California, office by telephone at (714) 540-8700. All correspondence should be directed to our address given below.

Respectfully submitted,


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